

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/052218

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G10L13/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G10L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 200 389 A (KABUSHIKI KAISHA TOSHIBA) 5 November 1986 (1986-11-05) abstract; figure 1 page 2, line 4 - line 12	1,11,16
A	US 6 219 638 B1 (PADMANABHAN MUKUND ET AL) 17 April 2001 (2001-04-17) abstract column 4, line 22 - line 49	1,11,16
A	US 2003/200093 A1 (LEWIS JAMES R ET AL) 23 October 2003 (2003-10-23) figures 3D,5 paragraphs '0012!, '0047!, '0048! ----- -/--	1,11,16



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

10 February 2005

Date of mailing of the international search report

22/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Krembel, L

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/052218

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 962 914 A (GRUNDIG AKTIENGESELLSCHAFT) 8 December 1999 (1999-12-08) paragraphs '0002!', '0005!', '0011!', '0018!', '0019!', '0021!' -----</p>	1,11,16

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/052218

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0200389	A	05-11-1986	JP	61233832 A	18-10-1986
			EP	0200389 A2	05-11-1986
US 6219638	B1	17-04-2001	CN	1255011 A	31-05-2000
			JP	2000148182 A	26-05-2000
			KR	2000034881 A	26-06-2000
US 2003200093	A1	23-10-2003	US	2002002459 A1	03-01-2002
			CA	2307300 A1	11-12-2000
EP 0962914	A	08-12-1999	DE	19824450 A1	02-12-1999
			EP	0962914 A2	08-12-1999